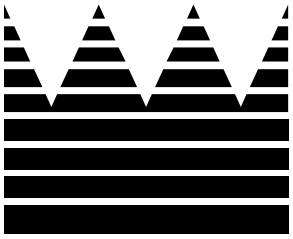

Model 104

Batch Freezer

Original Operating Instructions

053064-M

TAYLOR®

8/13/08 (Original Publication)
(Updated 6/11/12)

Complete this page for quick reference when service is required:

Taylor Distributor: _____

Address: _____

Phone: _____

Service: _____

Parts: _____

Date of Installation: _____

Information found on data plate:

Model Number: _____

Serial Number: _____

Electrical Specs: Voltage _____ Cycle _____

Phase _____

Maximum Fuse Size: _____ A

Minimum Wire Ampacity: _____ A

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053064-M

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Taylor Company
750 N. Blackhawk Blvd.
Rockton, IL 61072

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Note: Continuing research results in steady improvements; therefore, information in this manual is subject to change without notice.

Note: Only instructions originating from the factory or its authorized translation representative(s) are considered to be the original set of instructions.

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Section 1 To the Installer

The following are general installation instructions. For complete installation details, please see the check out card.

Installer Safety

In all areas of the world, equipment should be installed in accordance with existing local codes. Please contact your local authorities if you have any questions.

Care should be taken to ensure that all basic safety practices are followed during the installation and servicing activities related to the installation and service of Taylor equipment.

- Only authorized Taylor service personnel should perform installation and repairs on the equipment.
- Authorized service personnel should consult OSHA Standard 29CFRI910.147 or the applicable code of the local area for the industry standards on lockout/tagout procedures before beginning any installation or repairs.
- Authorized service personnel must ensure that the proper PPE is available and worn when required during installation and service.
- Authorized service personnel must remove all metal jewelry, rings, and watches before working on electrical equipment.

The main power supply(s) to the freezer must be disconnected prior to performing any repairs. Failure to follow this instruction may result in personal injury or death from electrical shock or hazardous moving parts as well as poor performance or damage to the equipment.

Note: All repairs must be performed by an authorized Taylor Service Technician.

This unit has many sharp edges that can cause severe injuries.

Site Preparation

Review the area the unit is to be installed in before uncrating the unit, making sure that all possible hazards the user or equipment may come into have been addressed.

For Indoor Use Only: This unit is designed to operate indoors, under normal ambient temperatures of 70°-75°F (21°-24°C). The freezer has successfully performed in high ambient temperatures of 104°(40°C) at reduced capacities.

This unit must **NOT** be installed in an area where a water jet or hose can be used. **NEVER** use a water jet or hose to rinse or clean the unit. Failure to follow this instruction may result in electrocution.

This unit must be installed on a level surface to avoid the hazard of tipping. Extreme care should be taken in moving this equipment for any reason. Two or more persons are required to safely move this unit. Failure to comply may result in personal injury or equipment damage.

Uncrate the unit and inspect it for damage. Report any damage to your Taylor Distributor.

This piece of equipment is made in the USA and has USA sizes of hardware. All metric conversions are approximate and vary in size.

Air Cooled Units

DO NOT obstruct air intake and discharge openings:

Air cooled units require a minimum of 3" (76 mm) of clearance around all sides of the freezer to allow for adequate air flow across the condenser(s). Failure to allow adequate clearance can reduce the refrigeration capacity of the freezer and possibly cause permanent damage to the compressor.

Electrical Connections

In the United States, this equipment is intended to be installed in accordance with the National Electrical Code (NEC), ANSI/NFPA 70-1987. The purpose of the NEC code is the practical safeguarding of persons and property from hazards arising from the use of electricity. This code contains provisions considered necessary for safety. In all other areas of the world, equipment should be installed in accordance with the existing local codes. Please contact your local authorities.

FOLLOW YOUR LOCAL ELECTRICAL CODES!

Each unit requires one power supply for each data label on the unit. Check the data label on the freezer for branch circuit overcurrent protection or fuse, circuit ampacity and other electrical specifications. Refer to the wiring diagram provided inside of the electrical box, for proper power connections.

CAUTION: THIS EQUIPMENT MUST BE PROPERLY GROUNDED! FAILURE TO DO SO CAN RESULT IN SEVERE PERSONAL INJURY FROM ELECTRICAL SHOCK!

This unit is provided with an equipotential grounding lug that is to be properly attached to the rear of the frame by the authorized installer. The installation location is marked by the equipotential bonding symbol (5021 of IEC 60417-1) on both the removable panel and the equipment's frame.

- Stationary appliances which are not equipped with a power cord and a plug or another device to disconnect the appliance from the power source must have an all-pole disconnecting device with a contact gap of at least 3 mm installed in the external installation.
- Appliances that are permanently connected to fixed wiring and for which leakage currents may exceed 10 mA, particularly when disconnected, not used for long periods, or during initial installation, shall have protective devices such as a GFI to protect against the leakage of current, installed by authorized personnel to the local codes.
- Supply cords used with this unit shall be oil-resistant, sheathed flexible cable, not lighter than ordinary polychloroprene or other equivalent synthetic elastomer-sheathed cord (Code designation 60245 IEC 57) installed with the proper cord anchorage to relieve conductors from strain, including twisting, at the terminals and protect the insulation of the conductors from abrasion.

60 Cycle Units

This equipment is supplied with a 3–wire cord and grounding type plug, for connection to a single phase, 60 cycle, branch circuit supply. This unit must be plugged into a properly grounded receptacle. Permanent wiring may be employed, if required by local codes. Instructions for conversion to permanent wiring are as follows:

1. Be sure the freezer is electrically disconnected.
2. Remove the rear panel and locate the small electrical box at the base of the freezer.
3. Remove the factory installed cord and strain relief bushing.
4. Route incoming permanent wiring through 7/8" (22 mm) hole in base pan.
5. Connect two power supply leads. Attach ground (earth) wire to the grounding lug inside the electrical box.
6. Be sure the unit is properly grounded before applying power.

Beater Rotation

Beater rotation must be clockwise as viewed looking into the freezing cylinder.

To correct rotation on a three–phase unit, interchange any two incoming power supply lines at freezer main terminal block only.

To correct rotation on a single–phase unit, change the leads inside the beater motor. (Follow diagram printed on motor.)

Electrical connections are made directly to the terminal block. The terminal block is provided in the electrical box located in the rear of the freezer.

Refrigerant

In consideration of our environment, Taylor proudly uses only earth friendly HFC refrigerants. The HFC refrigerant used in this unit is R404A. This refrigerant is generally considered non-toxic and non-flammable, with an Ozone Depleting Potential (ODP) of zero (0).

However, any gas under pressure is potentially hazardous and must be handled with caution.

NEVER fill any refrigerant cylinder completely with liquid. Filling the cylinder to approximately 80% will allow for normal expansion.

Use only R134a refrigerant that conforms to the AHI standard 700 specification. The use of any other refrigerant may expose users and operators to unexpected safety hazards.

Refrigerant liquid sprayed onto the skin may cause serious damage to tissue. Keep eyes and skin protected. If refrigerant burns should occur, flush immediately with cold water. If burns are severe, apply ice packs and contact a physician immediately.

Taylor reminds technicians to be cautious of government laws regarding refrigerant recovery, recycling, and reclaiming systems. If you have any questions regarding these laws, please contact the factory Service Department.

WARNING: R404A refrigerant used in conjunction with polyolester oils is extremely moisture absorbent. When opening a refrigeration system, the maximum time the system is open must not exceed 15 minutes. Cap all open tubing to prevent humid air or water from being absorbed by the oil.

Section 2 To the Operator

The freezer you have purchased has been carefully engineered and manufactured to give you dependable operation. The Taylor Model 104 Batch Ice Cream freezer, when properly operated and cared for, will produce a consistent quality product. Like all mechanical products, this machine will require cleaning and maintenance. A minimum amount of care and attention is necessary if the operating procedures outlined in this manual are followed closely.

This Operator's Manual should be read before operating or performing any maintenance on your equipment.

Your Model 104 will NOT eventually compensate and correct for any errors during the set-up or filling operations. Thus, the initial assembly and priming procedures are of extreme importance. It is strongly recommended that personnel responsible for the equipment's operation, both assembly and disassembly, go through these procedures together in order to be properly trained and to make sure that no misunderstandings exist.

In the event you should require technical assistance, please contact your local authorized Taylor Distributor.

Note: Warranty is valid only if the parts are authorized Taylor parts, purchased from an authorized Taylor Distributor, and the required service work is provided by an authorized Taylor service technician. Taylor reserves the right to deny warranty claims on equipment or parts if non-approved parts or refrigerant were installed in the machine, system modifications were performed beyond factory recommendations, or it is determined that the failure was caused by neglect or abuse.

If the crossed out wheeled bin symbol is affixed to this product, it signifies that this product is compliant with the EU Directive as well as other similar legislation in effect after August 13, 2005. Therefore, it must be collected separately after its use is completed, and cannot be disposed as unsorted municipal waste.

The user is responsible for returning the product to the appropriate collection facility, as specified by your local code.

For additional information regarding applicable local laws, please contact the municipal facility and/or local distributor.

Compressor Warranty Disclaimer

The refrigeration compressor(s) on this machine are warranted for the term indicated on the warranty card accompanying this machine. However, due to the Montreal Protocol and the U.S. Clean Air Act Amendments of 1990, many new refrigerants are being tested and developed, thus seeking their way into the service industry. Some of these new refrigerants are being advertised as drop-in replacements for numerous applications. It should be noted that, in the event of ordinary service to this machine's refrigeration system, **only the refrigerant specified on the affixed data label should be used**. The unauthorized use of alternate refrigerants will void your compressor warranty. It will be the owner's responsibility to make this fact known to any technician he employs.

It should also be noted that Taylor does not warrant the refrigerant used in its equipment. For example, if the refrigerant is lost during the course of ordinary service to this machine, Taylor has no obligation to either supply or provide its replacement either at billable or unbillable terms. Taylor does have the obligation to recommend a suitable replacement if the original refrigerant is banned, obsoleted, or no longer available during the five year warranty of the compressor.

Taylor will continue to monitor the industry and test new alternates as they are being developed. Should a new alternate prove, through our testing, that it would be accepted as a drop-in replacement, then the above disclaimer would become null and void. To find out the current status of an alternate refrigerant as it relates to your compressor warranty, call the local Taylor Distributor or the Taylor Factory. Be prepared to provide the Model/Serial Number of the unit in question.

Section 3 Safety

We, at Taylor Company, are concerned about the safety of the operator when he or she comes in contact with the freezer and its parts. Taylor has gone to extreme efforts to design and manufacture built-in safety features to protect both the operator and the service technician. As an example, warning labels have been attached to the freezer to further point out safety precautions.

IMPORTANT - Failure to adhere to the following safety precautions may result in severe personal injury or death. Failure to comply with these warnings may damage the machine and its components. Component damage will result in part replacement expense and service repair expense.

DO NOT operate the freezer without reading this Operator Manual. Failure to follow this instruction may result in equipment damage, poor freezer performance, health hazards, or personal injury.

Per IEC 60335-1 and its part 2 standards, "This appliance is to be used only by trained personnel. It is not intended for use by children or people with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless given supervision or instruction concerning the use of the appliance by a person responsible for their safety."

This unit is provided with an equipotential grounding lug that is to be properly attached to the rear of the frame by the authorized installer. The installation location is marked by the equipotential bonding symbol (5021 of IEC 60417-1) on both the removable panel and the equipment's frame.

DO NOT use a water jet to clean or rinse the freezer. Failure to follow these instructions may result in serious electrical shock.

- **DO NOT** operate the freezer unless it is properly grounded.
- **DO NOT** operate the freezer with larger fuses than specified on the freezer data label.
- All repairs must be performed by an authorized Taylor service technician.
- The main power supplies to the machine must be disconnected prior to performing any repairs.
- Cord Connected Units: Only Taylor authorized service technicians may install a plug on this unit.
- Stationary appliances which are not equipped with a power cord and a plug or another device to disconnect the appliance from the power source must have an all-pole disconnecting device with a contact gap of at least 3 mm installed in the external installation.
- Appliances that are permanently connected to fixed wiring and for which leakage currents may exceed 10 mA, particularly when disconnected, not used for long periods, or during initial installation, shall have protective devices such as a GFI to protect against the leakage of current and be installed by authorized personnel to the local codes.
- Supply cords used with this unit shall be oil-resistant, sheathed, flexible cable, not lighter than ordinary polychloroprene or other equivalent synthetic elastomer-sheathed cord (Code designation 60245 IEC 57) installed with the proper cord anchorage to relieve conductors from strain, including twisting, at the terminals and protect the insulation of the conductors from abrasion.

Failure to follow these instructions may result in electrocution. Contact your local authorized Taylor Distributor for service.

- **DO NOT** allow untrained personnel to operate this machine.
- **DO NOT** operate the freezer unless all service panels and access doors are restrained with screws.
- **DO NOT** remove the door, beater or scraper blades unless the power switch is in the OFF position.

Failure to follow these instructions may result in severe personal injury to fingers or hands from hazardous moving parts.

- **DO NOT** put objects or fingers in fill or discharge openings. Failure to follow this instruction may result in contaminated product or personal injury from blade contact.
- **USE EXTREME CAUTION** when removing the beater assembly. The scraper blades are very sharp and may cause injury.

This freezer must be placed on a level surface. Failure to comply may result in personal injury or equipment damage.

DO NOT operate the unit unless the freezer door is secured over the freezing cylinder.

DO NOT obstruct air intake and discharge openings: 3" (76 mm) minimum air space around all sides. Failure to follow this instruction may cause poor freezer performance and damage to the machine.

For Indoor Use Only: This unit is designed to operate indoors, under normal ambient temperatures of 70°-75°F (21°-24°C). The freezer has successfully performed in high ambient temperatures of 104°(40°C) at reduced capacities.

NOISE LEVEL: Airborne noise emission does not exceed 78 dB(A) when measured at a distance of 1.0 meter from the surface of the machine and at a height of 1.6 meters from the floor.

Section 4 Operator Parts Identification

Model 104

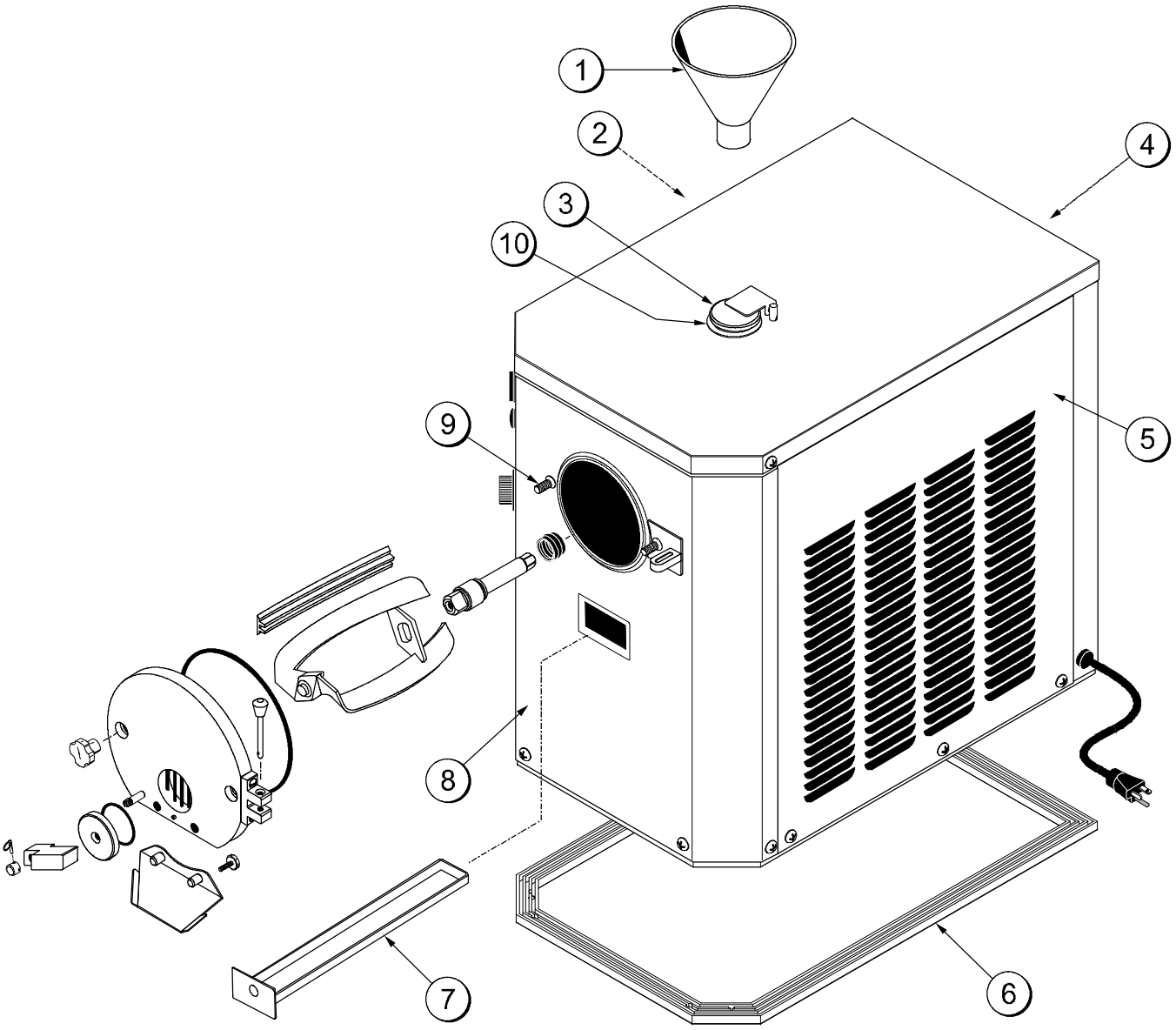


Figure 1

ITEM	DESCRIPTION	PART NO.
1	FUNNEL	034252
2	PANEL-SIDE LEFT	051039
3	COVER A.-MIX INLET	X24948
4	PANEL-REAR	051040
5	PANEL-SIDE RIGHT	051038

ITEM	DESCRIPTION	PART NO.
6	GASKET-BASE PAN	049420
7	PAN-DRIP 13-1/4 LONG	039027
8	PANEL A.-FRONT	X51043
9	STUD-FREEZER	023057
10	BEZEL	033406

Beater Door Assembly

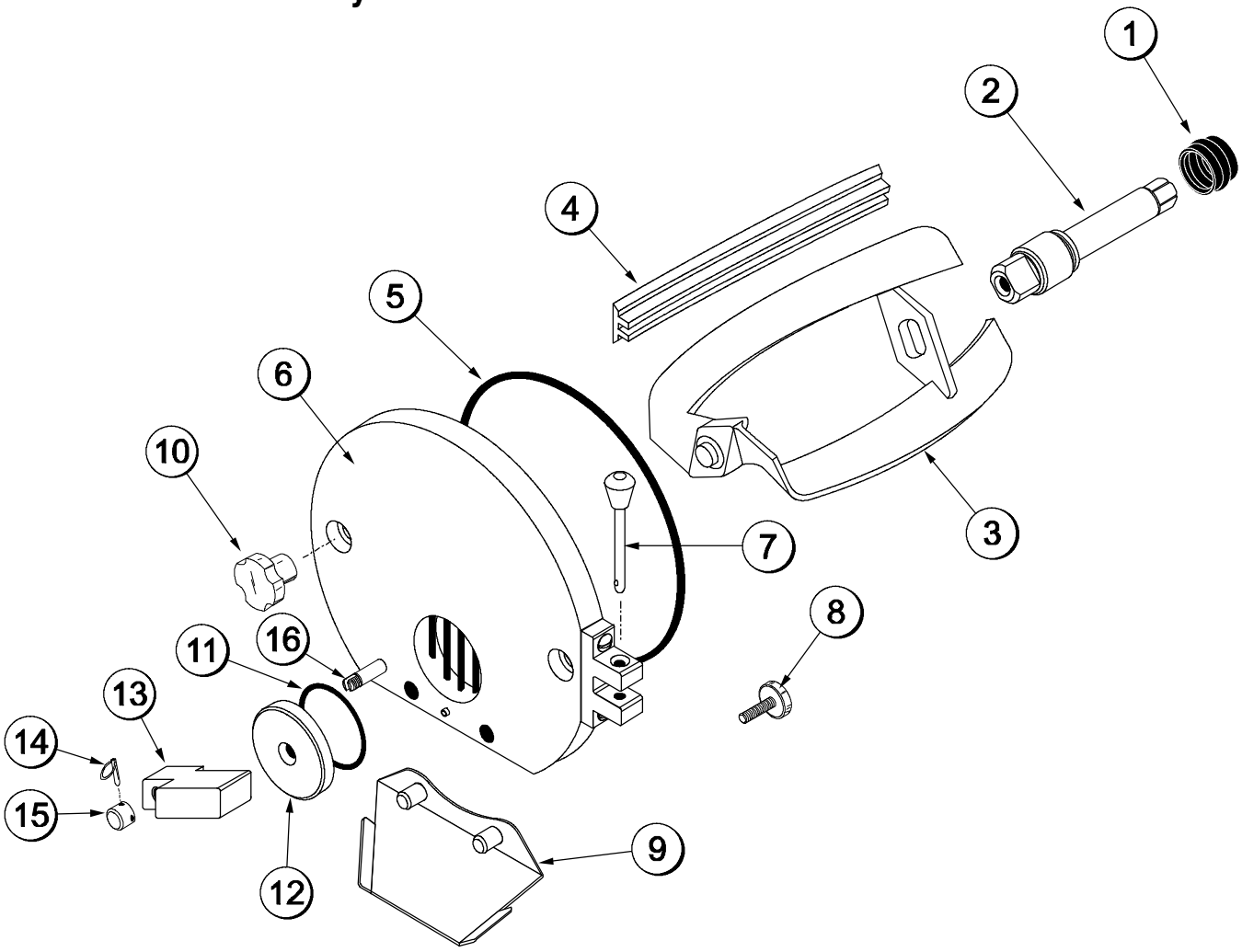


Figure 2

ITEM	DESCRIPTION	PART NO.
1	SEAL-DRIVE SHAFT	032560
2	SHAFT-BEATER	033498
3	BEATER ASSEMBLY	X33417
4	BLADE-SCRAPER 7-1/4" L	033277
5	O-RING 5-7/16 OD X 5-1/4	033276
6	DOOR A.-PARTIAL	X37710
7	PIN A.-PIVOT 1-3/4 GRIP	X37705
8	SCREW-STEM	034662

ITEM	DESCRIPTION	PART NO.
9	SPOUT A.-DRIP	X33422
10	NUT-STUD	008614
11	O-RING 2-1/4 OD X .139 W	030890
12	PLATE-DRAW	027811
13	ARM-HANDLE	030042
14	PIN-CLEVIS 3/16 X 1 SS	027813
15	CAP-STEM	027812
16	STEM-FREEZER COVER	034661

Accessories

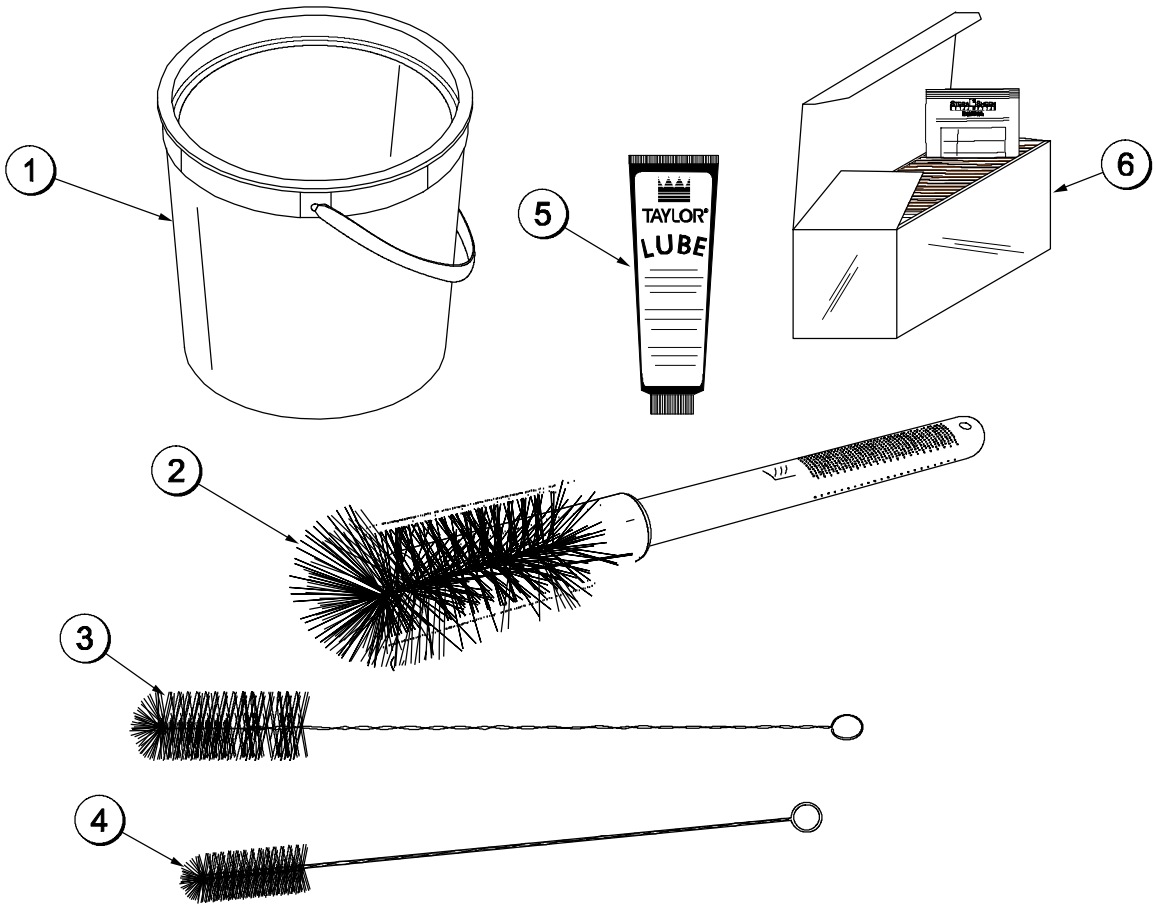


Figure 3

ITEM	DESCRIPTION	PART NO.
1	PAIL-6 QT	023348
2	BRUSH-MIX PUMP BODY 3” X 7”	023316
3	BRUSH-REAR BEARING 1” X 2”	013071

ITEM	DESCRIPTION	PART NO.
4	BRUSH-DRAW VALVE 1-1/2”	014753
5	LUBRICANT-TAYLOR 4 OZ.	047518
6	SANITIZER-STERA SHEEN	SEE NOTE

***Note:** A sample container of sanitizer is sent with the unit. For reorders, order Stera Sheen part no. 055492 (100 2 oz. packs) or Kay–5 part no. 041082 (200 packs).

Section 5 Important: To The Operator

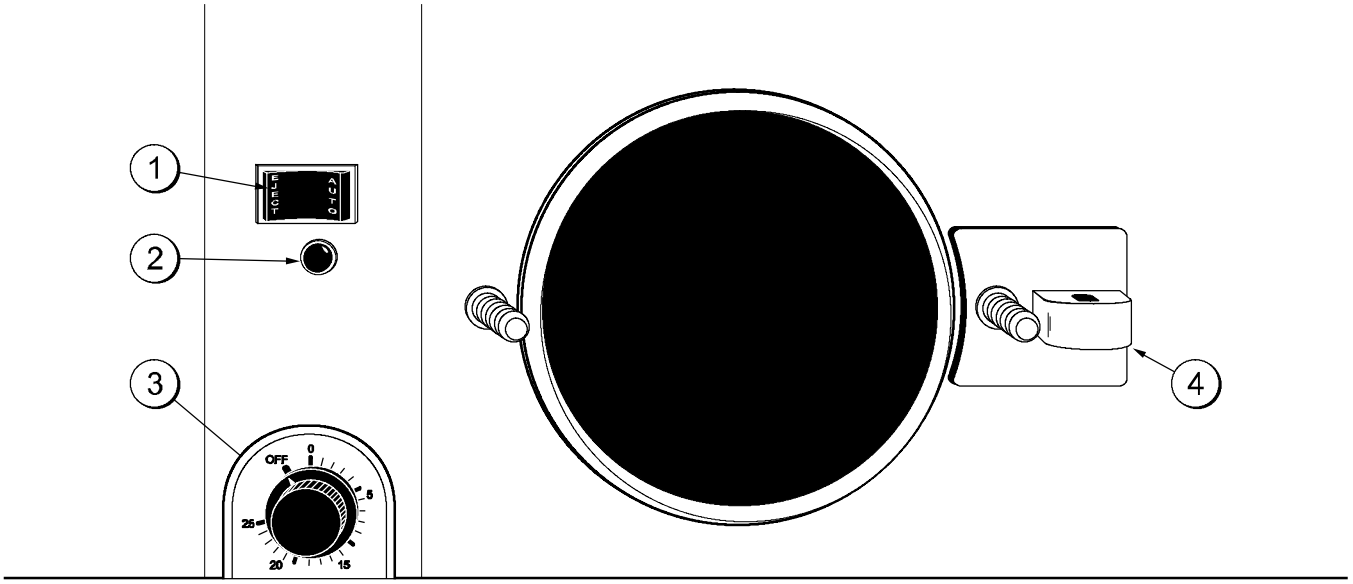


Figure 4

ITEM	DESCRIPTION
1	CONTROL SWITCH
2	ORANGE DIAL LIGHT
3	TIMER CONTROL
4	DOOR HINGE

Control Switch (Item 1)

When the control switch is placed in the AUTO mode and the timer is adjusted to the desired setting, the refrigeration system will operate. When the switch is placed in the EJECT mode, only the beater motor will operate.

Orange Dial Light (Item 2)

Located below the control switch is an orange dial light. When the control switch is in the AUTO position, this light will come on, indicating the refrigeration system is operable when the timer is set.

Safety

NEVER empty the contents of the freezing cylinder while the control switch is in the AUTO position. Always put the control switch into the EJECT position when drawing product from the freezing cylinder. As an additional safety feature, this unit will NOT operate if the door is open.

Timer Control (Item 3)

The Model 104 uses a timer control to operate the compressor and determine the viscosity of the product. After the desired amount of product has been added to the freezing cylinder, turn the timer for the amount of refrigeration required for the batch. Due to mix variations and desired finished product viscosity, the timer setting will vary.

Once the desired time is set, put the control switch into the AUTO position. The compressor and beater motor will operate until the time is up. When the timer setting elapses, the refrigerating process is cancelled. The dial light and beater assembly will continue to operate. A tone will sound, signaling the operator to dispense the finished product. Turn the control switch to the EJECT position. The product is ready to draw off and serve.

Start with five minutes and increase as needed. Times and temperatures are dependent on specific mix formulations, pre-charge amounts and finished product preferences.

Note: Because the freezing cylinder for the first batch is at room temperature, the first batch freeze-down time will be longer than subsequent batches.

Door Hinge (Item 4)

This feature allows the operator to open the door without removal. This feature is primarily used when changing flavors and clean-up is necessary.

Reset Condition

The Model 104 is equipped with an internal motor overload protection. Should an overload occur, the reset mechanism will trip, cancelling freezer operation. To properly reset the freezer, put the control switch into the OFF position. Allow the beater motor to cool. Then return the control switch to its original position.

Note: If the unit went out on reset, the product may have been run too cold or too long. Therefore, after resetting the freezer, check the temperature control or the time set.

Section 6 Operating Procedures

The Model 104 is a small 3 quart (2.9 liter) capacity ice cream freezer. It has been designed to produce a rich tasting, nominal overrun ice cream product that can be drawn off and placed in a hardening cabinet or flash freezer. Overrun can be varied depending on mix formulation, amount of pre-charge, and finished product temperature.

We begin our instructions at the point where we find the parts disassembled and laid out to air dry from the previous brush cleaning.

The following procedures will show you how to assemble the parts into the freezer, sanitize them, and prime the freezer with fresh mix to prepare the first batch.

If you are disassembling the machine for the first time or need information to get to this starting point in our instructions, turn to page 19, “Disassembly”, and start there.

Assembly

Step 1

MAKE SURE CONTROL SWITCH IS IN THE OFF POSITION. Failure to do so may cause personal injury or component damage.

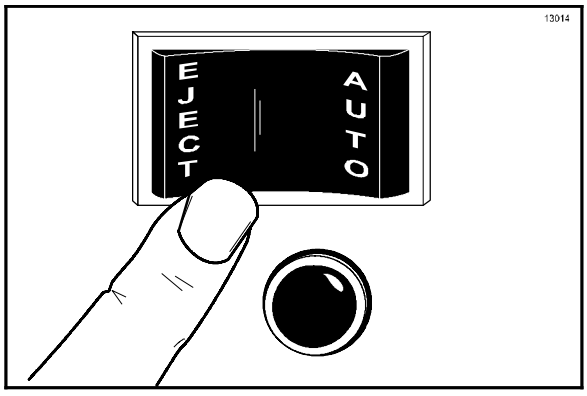


Figure 5

Step 2

Install the drive shaft. Lubricate the groove and shaft portion that comes in contact with the bearing on the beater drive shaft. Slide the seal over the shaft and groove until it snaps into place. DO NOT lubricate the hex end of the drive shaft. Partially fill the inside portion of the seal with additional lubricant. Lubricate the flat side of the seal that comes in contact with the bearing.

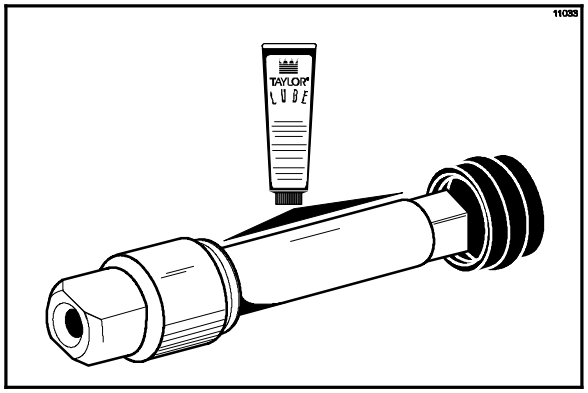


Figure 6

Insert the drive shaft through the rear shell bearing and engage the hex end firmly into the gear box coupling. Be certain that the drive shaft fits into the coupling without binding.

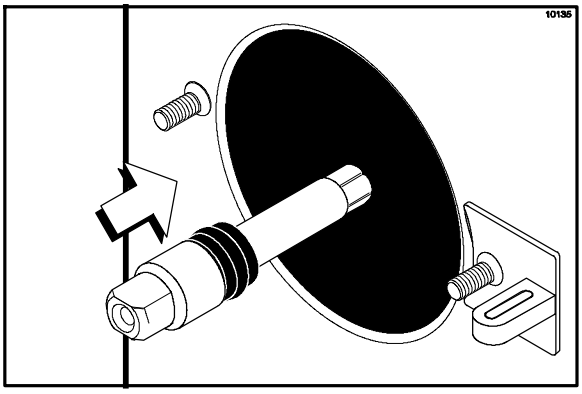


Figure 7

Step 3
Place the plastic scraper blades on the beater, making sure one end of the blade is up against the notch at the front of the beater.

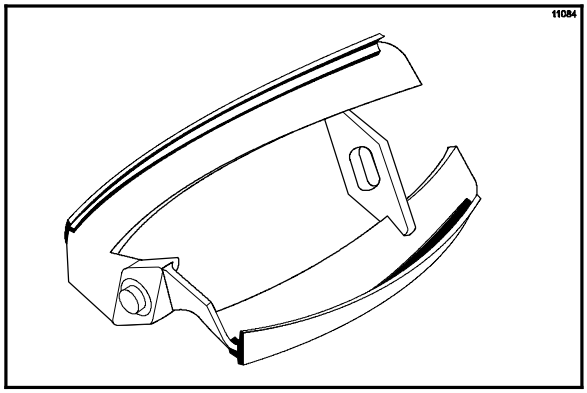


Figure 8

Holding the beater and blades securely, slide the beater into the freezing cylinder about one-third of the way in. Looking into the freezing cylinder, align the hole at the rear of the beater with the flats on the end of the drive shaft.

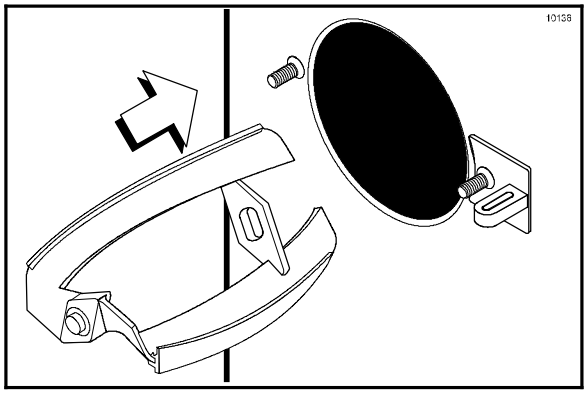


Figure 9

Slide the beater the remainder of the way into the freezing cylinder and over the drive shaft. The beater should fit snugly but not so tight that the beater cannot be turned to engage the drive shaft. When in position, the beater will not protrude beyond the front of the freezing cylinder.

Step 4
Assemble the freezer door. Place the large freezer door o-ring in the groove on the back of the freezer door.

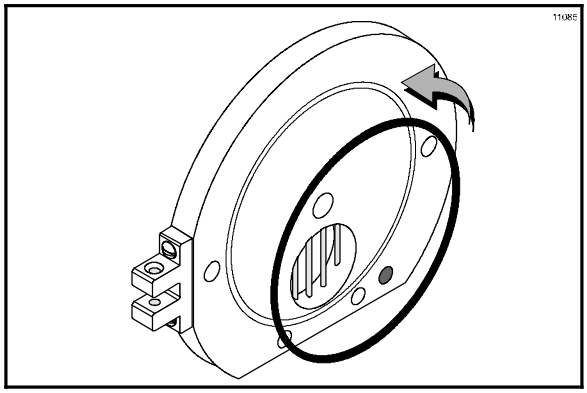


Figure 10

Step 5
Press the o-ring into the groove on the back of the draw plate and lubricate **lightly**.

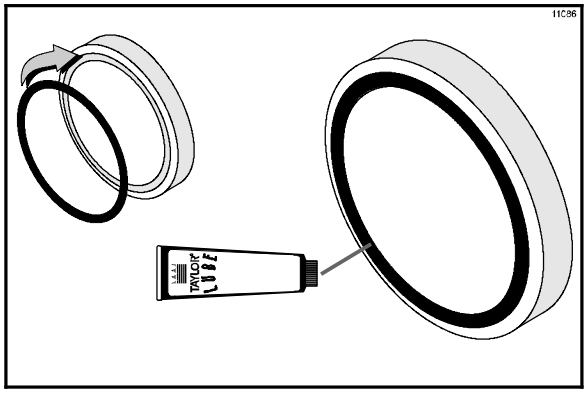


Figure 11

Lay the draw plate, o-ring face down, over the ejection port.

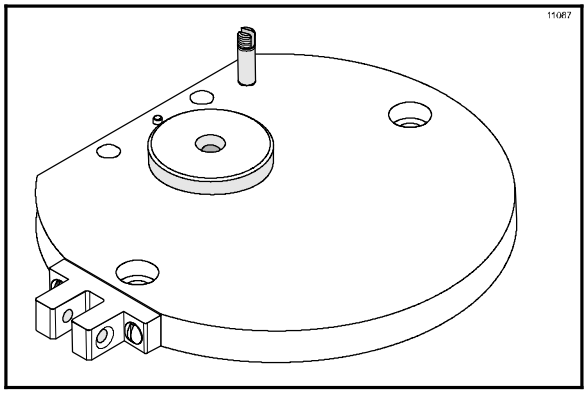


Figure 12

Align the hole in the draw arm over the stem on the freezer door and push down. **Make sure** the draw arm fits into the depression in the draw plate.

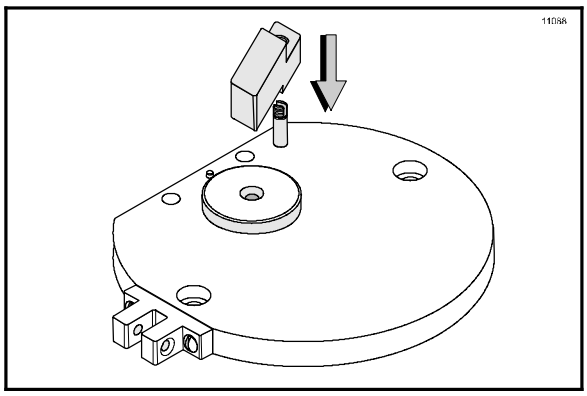


Figure 13

Screw the stem cap over the stem that protrudes from the draw arm. Once snug, tighten one step further to align the hole in the cap.

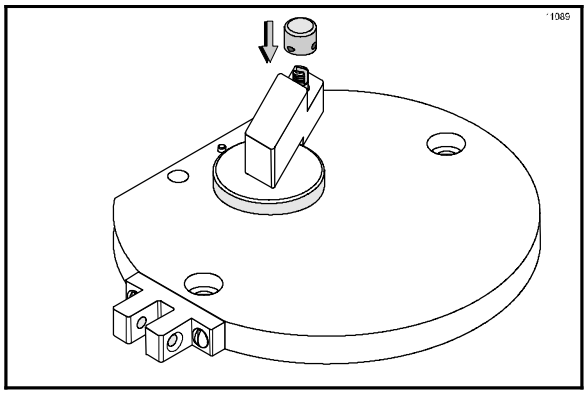


Figure 14

Secure the cap with the clevis pin.

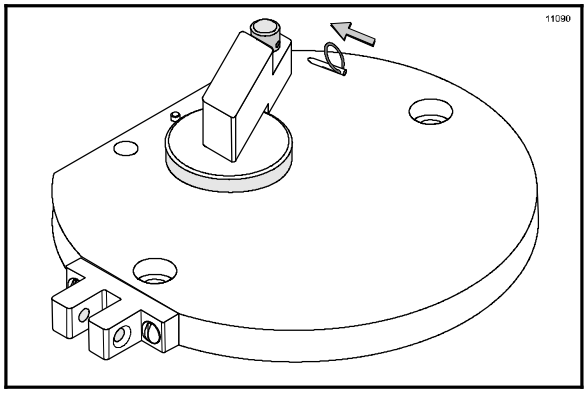


Figure 15

Engage drip spout pins with corresponding holes on the back side of the freezer door.

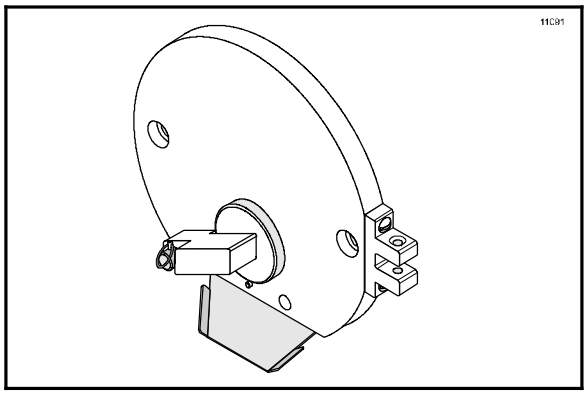


Figure 16

Step 6

Position the door onto the two studs on the front of the freezing cylinder. **Make sure** the hole in the back of the door is aligned with the bearing on the end of the beater.

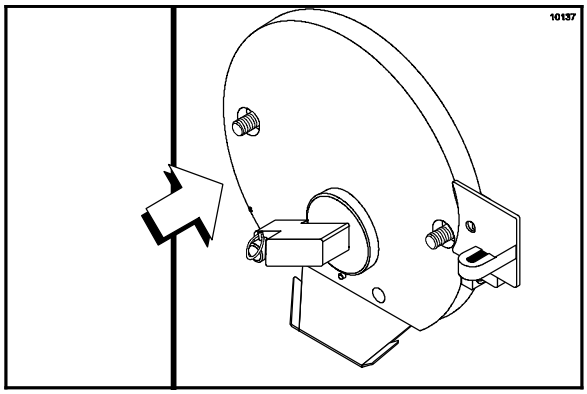


Figure 17

Install the two handscrews onto the studs and tighten equally.

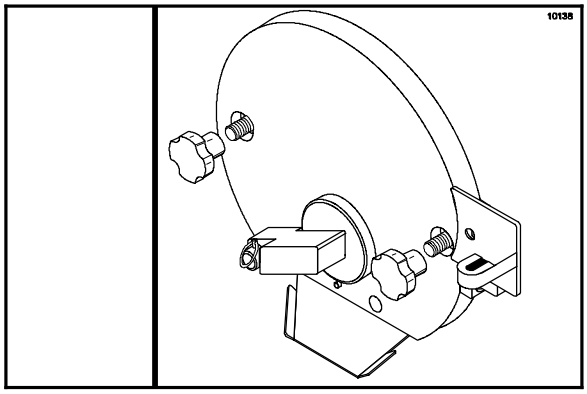


Figure 18

Step 7
Secure the freezer door hinge by installing the pivot pin.

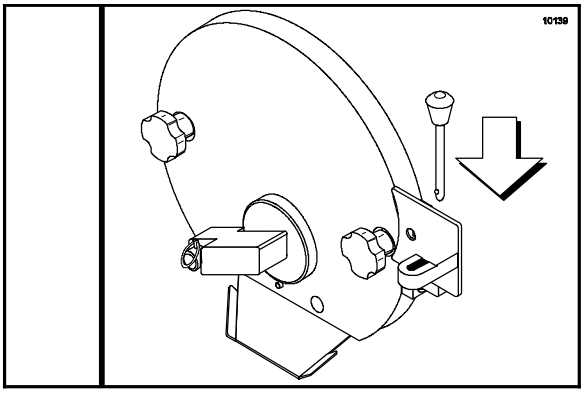


Figure 19

Step 8
Slide the drip pan into the hole in the front panel.

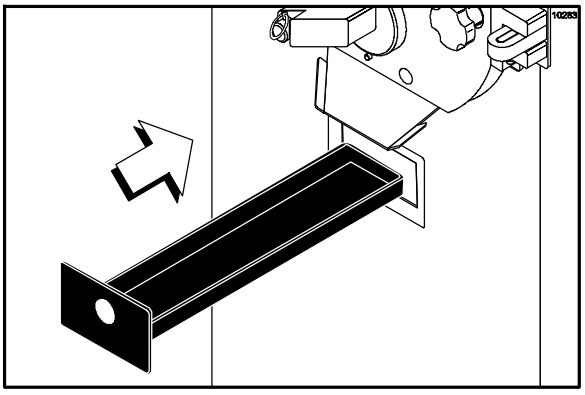


Figure 20

Sanitizing

Step 1
Prepare two quarts (1.9 liters) of an approved 100 PPM sanitizing solution (example: Kay-5® or Stera-Sheen®). USE WARM WATER AND FOLLOW THE MANUFACTURER'S SPECIFICATIONS.

Step 2
Open the mix inlet cover on top of the freezer.

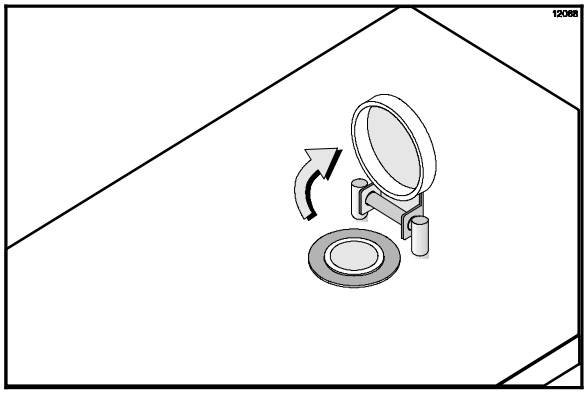


Figure 21

Sanitize your hands and the funnel. Install the funnel into the mix inlet hole on top of the freezer.

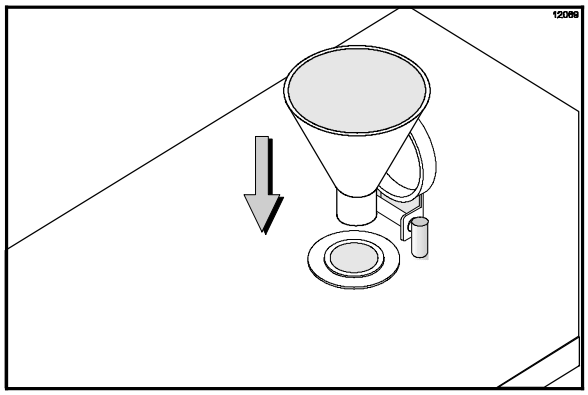


Figure 22

Pour the sanitizing solution into the funnel and allow it to flow into the freezing cylinder.

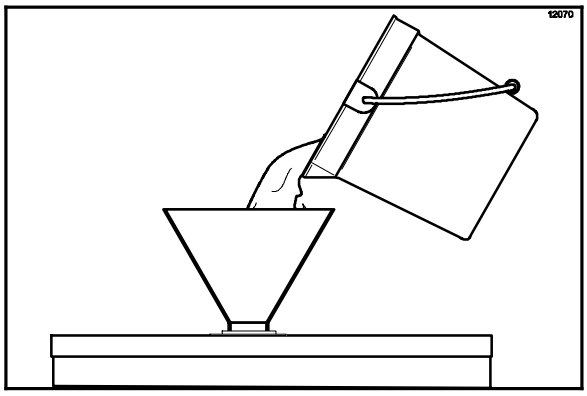


Figure 23

Step 3
Put the control switch into the EJECT position. This will cause the sanitizing solution in the freezing cylinder to be agitated. Allow it to agitate for five minutes.

KEEP FINGERS OUT OF FILL AND DISCHARGE OPENINGS! Failure to do so may result in personal injury or component damage.

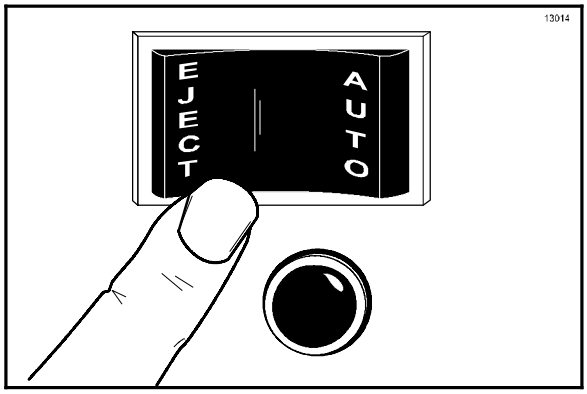


Figure 24

Step 4
Put the control switch into the OFF position. Holding a mix pail beneath the ejection port, open the draw arm and drain the sanitizing solution from the freezing cylinder. Close the draw arm.

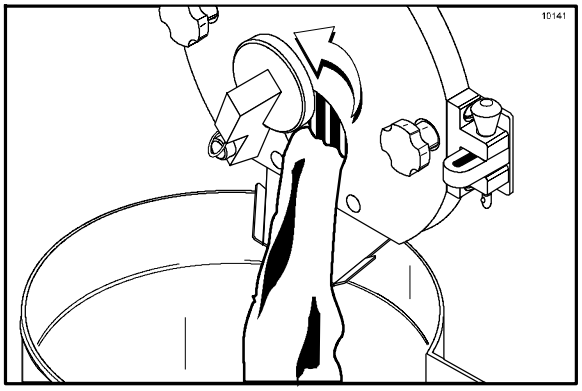


Figure 25

Priming

Step 1
With the control switch in the OFF position, hold an empty mix pail beneath the ejection port and open the draw arm.

KEEP FINGERS OUT OF FILL AND DISCHARGE OPENINGS! Failure to do so may result in personal injury or component damage.

Step 2
Pour the desired amount of mix directly through the funnel. The mix in the freezing cylinder will force out any remaining sanitizing solution. When full strength mix is flowing from the ejection port, close the draw arm.

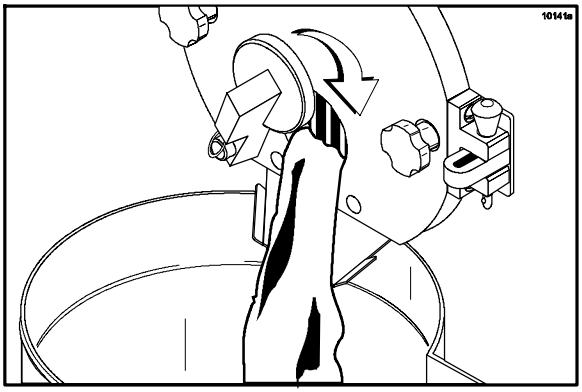


Figure 26

Step 3
Set the timer for the time required for the batch. Allow the unit to operate until the buzzer sounds and the refrigeration system automatically cycles off.

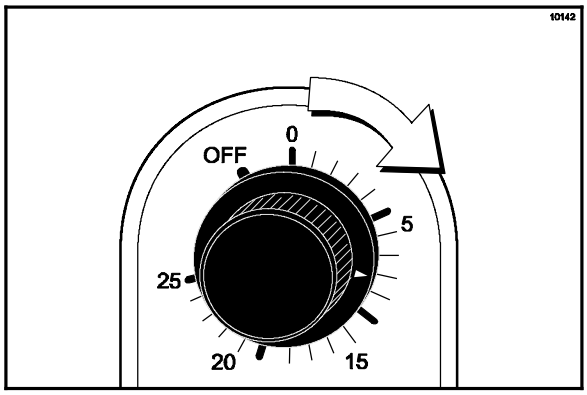


Figure 27

Step 4
Place the control switch in the AUTO position. Remove the funnel and close the mix inlet cover.

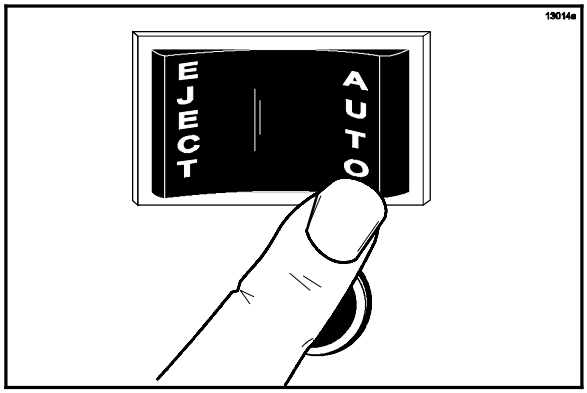


Figure 28

Overrun

Depending on the overrun desired, the amount of pre-charge can range from 1.5 to 3 quarts (1.4 to 2.8 liters). This will give an overrun between 20% to 100%. Overrun which exceeds 100% must not be taken below 26°F (-3.3°C) or the product will not eject. Depending on the mix, product overrun below 100% may be taken as low as 18°F (-7.7°C) with no ejection problem. If ejection problems do exist, it would be apparent that the product has been taken too cold.

Place the control switch in the EJECT position and take a sample of the product to determine overrun. If the overrun is **not** at the desired level, leave the control switch in the EJECT position to agitate the product and blend more air into the mixture. Continue to take samples until the desired overrun is obtained.

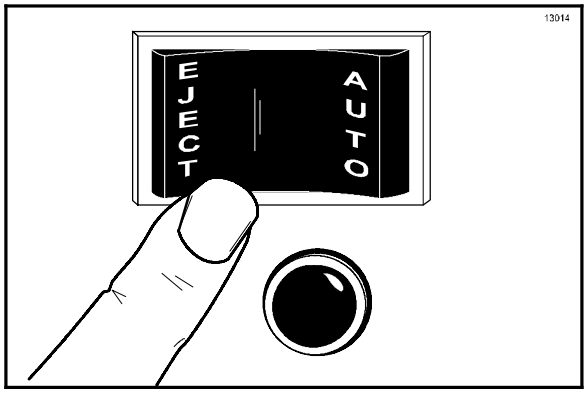


Figure 29

Step 1
Use a standard overrun scale and a one pint measuring cup.

Step 2
Place the cup on the scale and adjust the scale pointer to the zero setting.

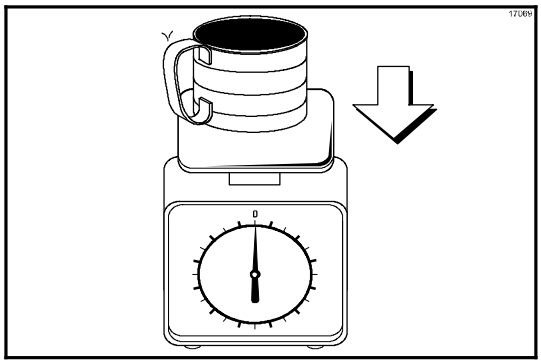


Figure 30

Step 3
Draw off one pint of frozen product, and with a straight edge, level off the top.

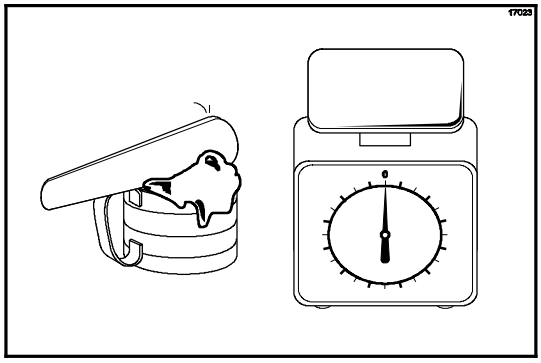


Figure 31

Step 4
Place the pint of product on the scale and read the overrun directly off of the scale.

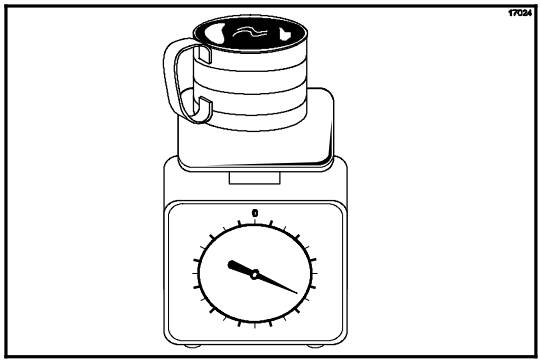


Figure 32

Step 5
If the scale does not have overrun graduations, then weigh one pint of mix before freezing. Draw a sample pint of frozen product and level it off with a straight edge.

Step 6
Place the pint of product on the scale and read the weight. Divide the weight of the frozen product into the weight of the raw mix for your percent of increase. If the answer is 2, you have 100% overrun. If the answer is between 1 and 2, the decimal represents your overrun.

Example:

$$8.2 \overline{)\,15.2} \quad = \quad 1.85$$

Raw Mix = 15.2 oz. (431 g)
Frozen Mix = 8.2 oz. (232 g) Overrun = 85%

Drawing Product

Step 1
When the desired temperature and overrun of the product has been achieved, the product may be drawn into packages or cans for hardening. Place the package or can directly beneath the ejection port of the freezer door.

Step 2
Put the control switch into the EJECT position and open the draw arm. As the product is being ejected into the container, ingredients such as fruits or nuts may be folded into the container at the same time.

Step 3
When the freezing cylinder is empty of product, close the draw arm and put the control switch into the OFF position. The container may now be placed in a hardening cabinet or flash freezer.

If the next batch to be run is not the same flavor, refer to “Rinsing” on page 18 to clear the freezing cylinder of mix residue. Then repeat Priming, Overrun, and Drawing Procedures.

After the necessary batches have been prepared, the machine should be cleaned. The following procedures will show you how to rinse the freezing cylinder of mix residue, clean, and disassemble the parts from the freezer. The machine should be sanitized at the beginning of each day.

Rinsing

Step 1

BE SURE THE CONTROL SWITCH IS IN THE OFF POSITION. Failure to do so may cause personal injury or component damage.

KEEP FINGERS OUT OF FILL AND DISCHARGE OPENINGS! Failure to do so may result in personal injury or component damage.

Step 2
Open the mix inlet cover and install the funnel. Pour two quarts (1.9 liters) of cool, clean water into the funnel and allow it to flow into the freezing cylinder.

Step 3
Put the control switch into the EJECT position and allow the water to agitate for approximately one minute.

Step 4
Put the control switch into the OFF position. Holding a mix pail beneath the ejection port, open the draw arm and drain the water from the freezing cylinder. Close the draw arm.

Repeat these procedures until the rinse water being drawn from the freezing cylinder is clear.

Cleaning

Step 1
Prepare two quarts (1.9 liters) of an approved cleaning solution (example: Kay-5® or Stera-Sheen®). USE WARM WATER AND FOLLOW THE MANUFACTURER'S SPECIFICATIONS.

Step 2
Pour the cleaning solution into the funnel and allow it to flow into the freezing cylinder.

Step 3
Put the control switch into the EJECT position. This will cause the cleaning solution in the freezing cylinder to be agitated. Allow it to agitate for five minutes.

KEEP FINGERS OUT OF FILL AND DISCHARGE OPENINGS! Failure to do so may result in personal injury or component damage.

Step 4
Put the control switch into the OFF position. Holding a mix pail beneath the ejection port, open the draw arm and drain all the solution from the freezing cylinder. Close the draw arm.

Disassembly

Step 1

BE SURE THE CONTROL SWITCH IS IN THE OFF POSITION. Failure to do so may cause personal injury or component damage.

Step 2
Remove the handscrews from the front of the freezer door.

Remove the pivot pin from the hinge on the freezer door. Then remove the freezer door, beater assembly, scraper blades, and the drive shaft from the freezing cylinder.

Step 3
Remove the funnel from the top of the freezer and the rear drip pan from the front panel.

Note: If the drip pan is filled with an excessive amount of mix, it is an indication that the seal was installed incorrectly on the beater assembly or should be replaced.

Brush Cleaning

Step 1
Prepare a sink with an approved cleaning solution (example: Kay-5® or Stera-Sheen®). USE WARM WATER AND FOLLOW THE MANUFACTURER'S SPECIFICATIONS.

If an approved cleaner other than Kay-5® or Stera-Sheen® is used, dilute according to label instructions. **IMPORTANT:** Follow label directions, as too STRONG of a solution can cause parts damage, while too MILD of a solution will not provide adequate cleaning. Make sure all brushes provided with the freezer are available for brush cleaning.

Step 2
Remove the seal from the drive shaft.

Step 3
From the freezer door, remove the clevis pin from the stem cap, unscrew the stem cap from the stem, pull the draw arm from the stem, remove the o-ring from the draw plate, remove the o-ring from the back of the freezer door, and remove the drip spout, Take these parts to the sink for cleaning.

Step 4
Thoroughly brush clean all disassembled parts in the cleaning solution, making sure all lubricant and mix film is removed. Place the cleaned parts on a clean dry surface to air dry.

Step 5
Return to the freezer with a small amount of cleaning solution. With the black bristle brush, brush clean the rear shell bearing at the back of the freezing cylinder.

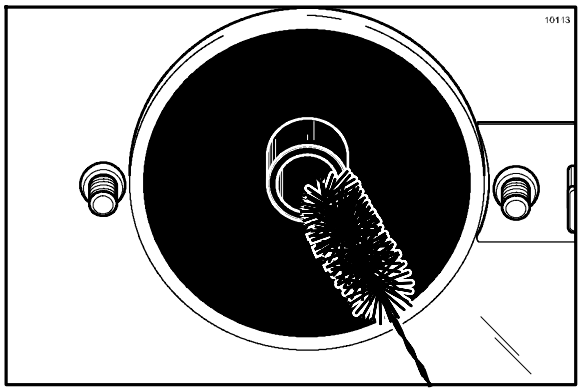


Figure 33

Step 6
Wipe clean the exterior surfaces of the freezer.

Section 7 Important: Operator Checklist

During Cleaning and Sanitizing

ALWAYS FOLLOW LOCAL HEALTH CODES.

Cleaning and sanitizing schedules are governed by your State or local regulatory agencies and must be followed accordingly. The following check points should be stressed during the cleaning and sanitizing operations.

We recommend that after the necessary batches have been prepared for the day, the machine should be cleaned. At the beginning of each day the machine should be sanitized.

Troubleshooting Bacterial Count

☐ 1. Thoroughly clean and sanitize the machine regularly, including complete disassembly and brush cleaning.

☐ 2. Use all brushes supplied for thorough cleaning. The brushes are specially designed to reach all mix passageways.

☐ 3. Use the white bristle brush to clean the mix inlet hole which extends from the top down to the rear of the freezing cylinder.

☐ 4. Use the black bristle brush to thoroughly clean the rear shell bearing located at the rear of the freezing cylinder. Be sure to have a generous amount of cleaning solution on the brush.

☐ 5. Using a screwdriver and cloth towel, keep the female hex drive socket and rear shell bearing clean and free of lubricant and mix deposits.

☐ 6. Properly prepare the cleaning or sanitizing solutions. Read and follow label directions carefully. Too strong of a solution may damage the parts and too weak of a solution will not do an adequate job of cleaning or sanitizing.

☐ 7. The temperature of liquid mix should not exceed 40°F. (4.4°C.).

☐ 8. Follow your local health codes when using flavorings, fruits, or nuts in this machine.

Regular Maintenance Checks

☐ 1. Check the rear shell bearing for signs of wear (excessive mix leakage in rear drip pan) and be certain it is properly cleaned.

☐ 2. Dispose of seals if they are worn, torn, or fit too loosely, and replace with new ones.

☐ 3. Follow all lubricating procedures as outlined in “Assembly”.

☐ 4. Replace scraper blades that are damaged or nicked. Before installing the beater assembly, be certain that scraper blades are properly attached to the beater assembly.

☐ 5. If your machine is air cooled, check the condenser for accumulation of dirt and lint. Dirty condensers will reduce the efficiency and capacity of the machine. Condensers should be cleaned **monthly** with a soft brush. **Never** use screwdrivers or other metal probes to clean between the fins.
Note: For machines equipped with an air filter, it will be necessary to vacuum clean the filters on a monthly schedule.

Winter Storage

If the place of business is to be closed during the winter months, it is important to protect the freezer by following certain precautions, particularly if the building is to be left unheated and subject to freezing conditions.

Disconnect the freezer from the main power source to prevent possible electrical damage.

Wrap detachable parts of the freezer such as beater, blades, drive shaft, and freezer door, and place in a protected dry place. Rubber trim parts and gaskets can be protected by wrapping with moisture–proof paper. All parts should be thoroughly cleaned of dried mix or lubrication accumulations which attract mice and other vermin.

Section 8 Troubleshooting Guide

PROBLEM	PROBABLE CAUSE	REMEDY	PAGE REF.
1. Poor ejection.	a. Over refrigeration.	a. Use less time to run the batch.	- -
	b. Inadequate pre-charge	b. Increase the pre-charge.	- -
	c. The beater is rotating counterclockwise.	c. Contact service technician to correct beater rotation to clockwise.	- -
2. No beater operation with the control switch in the AUTO position.	a. The unit is unplugged.	a. Plug into wall receptacle.	- -
	b. The circuit breaker is off, or the fuse is blown.	b. Turn the breaker on or replace the fuse.	- -
	c. The unit is out on reset.	c. Put the freezer in the OFF position. Allow the unit to cool. Resume normal operation, but use less time to run the batch.	10
	d. The freezer door is open.	d. Secure the door for freezer operation.	13
3. The product is not freezing.	a. The timer control is not set or is defective.	a. Set time for required batch or contact service technician to replace the timer.	10
	b. The condensers are dirty on air cooled units.	b. Clean condensers monthly.	21
	c. The control switch is not in the AUTO position.	c. Put the control switch into the AUTO position for compressor operation.	10
4. There is excessive mix leakage in the rear drip tray.	a. The seal on the beater drive shaft is missing or worn.	a. Install or replace the seal on the beater drive shaft.	12 / 23
	b. The rear shell bearing is worn.	b. Contact service technician to replace the bearing.	- -
	c. There is improper lubrication on the beater drive shaft.	c. Lubricate properly.	12
5. The buzzer does not sound when the unit cycles off.	a. The buzzer is malfunctioning.	a. Contact service technician to replace the buzzer.	- -

Section 9 Parts Replacement Schedule

PART DESCRIPTION	EVERY 3 MONTHS	EVERY 4 MONTHS	EVERY 6 MONTHS	ANNUALLY	QTY.
Drive Shaft Seal	X				1
Scraper Blades		X	Minimum		2
Freezer Door O-Ring	X				1
Draw Plate O-Ring	X				1
White Bristle Brush, 3" x 7"			Inspect & Replace if Necessary	Minimum	1
White Bristle Brush, 1-1/2 x 2"			Inspect & Replace if Necessary	Minimum	1
Black Bristle Brush, 1" x 2"			Inspect & Replace if Necessary	Minimum	1

Refer to Parts List when ordering the above parts.

Section 10 Warranty Explanation

Class 103 Parts

The warranty for new equipment Class 103 parts is one year from the original date of unit installation, with a replacement parts warranty of three months.

Class 212 Parts

The warranty for new equipment Class 212 parts is two years from the original date of unit installation, with a replacement parts warranty of twelve months.

Class 512 Parts

The warranty for new equipment Class 512 parts is five years from the original date of unit installation, with a replacement parts warranty of twelve months.

Class 000 Parts

Class 000 parts are considered wear items – no warranty.

Class *** Parts

See warranty explanation on the back of the check–out card.

CAUTION: Warranty is valid only if the parts are authorized Taylor parts, purchased from an authorized Taylor Distributor, and the required service work is provided by an authorized Taylor service technician.

Taylor reserves the right to deny warranty claims on equipment or parts if non–approved parts or refrigerant were installed in the machine, system modifications were performed beyond factory recommendations, or it is determined that the failure was caused by neglect or abuse.

S/N J7042744/UP

DESCRIPTION	PART NUMBER	104 QTY.	WARR. CLASS	REMARKS	PARTS UPDATE
ACTUATOR-INTERLOCK	034342	1	103	INTERLOCK SWITCH	
+BRACKET-INTERLOCK SWITCH	034341	1	103		
+E-RING 1/4	032190	1	000		
+SPRING-COMP.480X.034X2.00 SS	029889	1	103		
+SWITCH-ROLLER-SPDT-20A-125-480	025444	1	103		
BEARING-REAR SHELL *NICKEL PLATE	031324	1	000		
+GUIDE-DRIP SEAL	028992	1	000		
+NUT-BRASS BEARING	028991	1	000		
+WASHER-BEARING LOCK	012864	1	000		
BEATER A.	X33417	1	103		
+BLADE-SCRAPER 17L	033277	2	000		
BELT-V-4L420	004338	1	000		
BLOCK-TERMINAL 2P-L1,N	039421	1	103	115V 60HZ 1PH	
BLOCK-TERMINAL 2P-L1,L2	039422	1	103	208-230V 60HZ 1PH	
BLOCK-TERMINAL 7 POLE	022606	1	103		
BRUSH-DRAW VALVE 1-1/2"OD X 3"	014753	1	000		
BRUSH-MIX PUMP BODY-3"X7"WHITE	023316	1	000		
BRUSH-REAR BRG 1IN.DX2IN.LGX14	013071	1	000		
BUMPER-RUBBER 15/64"HOLE-WHITE	031667	1	000		
BUZZER 120V	022758-12	1	103	115V 60HZ 1PH	
BUZZER 240V/5W	022758-27	1	103	208-230V 60HZ 1PH	
COMPRESSOR AKA9462ZXA-AK1	049302-12	1	512	115V 60HZ 1PH - TECUMSEH	
+CAPACITOR-RUN- 25UF/370VAC	023739	1	103		
+CAPACITOR-START- 72-88UF/250V	039557-27	1	103		
+RELAY-START-COMPRESSOR	045432-12	1	103		
COMPRESSOR AKA9462ZXD-AK1	049302-27	1	512	208-230V 60HZ 1PH	
+CAPACITOR-RUN- 15UF/370V	027087	1	103		
+CAPACITOR-START- 72-88UF/330V	039567	1	103		
+RELAY-START-COMPRESSOR	048150	1	103		
CONDENSER-AC-12LX16HX2.5T3ROW	048935	1	103		
COVER A.-MIX INLET	X24948	1	103		
+PIN-INLET COVER	027464	1	103		
+SUPPORT-INLET COVER	027449	2	103		
DOOR A.-PARTIAL	X37710	1	103		

+ Available Separately

+ Available Separately

DESCRIPTION	PART NUMBER	104 QTY.	WARR. CLASS	REMARKS	PARTS UPDATE
+ARM-HANDLE	030042	1	103		
+CAP-STEM	027812	1	103		
+PIN-CLEVIS 3/16 X 1 SS	027813	1	103		
+O-RING-5 7/16 ODX5 1/4 IDX3/32	033276	1	000	DOOR GASKET	
+PIN A.-PIVOT*1 3/4 GRIP	X37705	1	103	DOOR HINGE	
+PLATE-DRAW	027811	1	103		
+O-RING-2-1/4 OD X .139W	030890	1	000		
+SCREW-STEM	034662	1	103		
+SPOUT A.-DRIP	X33422	1	103		
+STEM-FREEZER COVER	034661	1	103		
DECAL-CLEAN INST.-BATCH	030582	1	000		
DECAL-DEC-TAYLOR 104-60 H2	051046-60	1	000		
DECAL-TROUBLESHOOTING	038374	1	000		
DIAGRAM-WIRING *104*	062461-27	1	000	115V 60HZ 1PH - S/N K6035924 & UP	
DIAGRAM-WIRING *104*	062461-27		000	208-230V 60HZ 1PH	
DRYER-FILTER-HP62-3/8 X 1/4S	048901	1	000		
FUNNEL	034252	1	103		
+BEZEL	033406	1	103		
GASKET-BASE PAN	049420	1	000		
GEAR A.*REDUCER	012235	1	212	MAYBAR ONLY	
GUIDE A.-DRIP PAN *104*HP62*	X51048	1	103		
HINGE COVER ASSY ADAPTOR	037707	1	103		
HOOD A. *104*	X51044	1	103		
KIT A.-TUNE UP*103*	X33275	1	000		
O-RING-2-1/4 OD X .139W	030890	1	000		
O-RING-5 7/16 ODX5 1/4 IDX3/32	033276	1	000		
SEAL-DRIVE SHAFT	032560	1	000		
TOOL-O-RING REMOVAL	048260-WHT	1	000		
LABEL-CAUTION-GRD-PERM-ENG/SP	032164	1	000		
LABEL-CAUTION PERSONNEL	033161	1	000		
LABEL-DOOR CAUTION	032749	1	000		
LABEL-WARNING-PANEL-MOVE PARTS	051433	4	000		
LIGHT-ORANGE-ROUND	017450	1	103		
LUBRICANT-TAYLOR 4 OZ.	047518	1	000		
MAN-OPER *104*	053064-M	1	000		

+ Available Separately

DESCRIPTION	PART NUMBER	104 QTY.	WARR. CLASS	REMARKS	PARTS UPDATE
MOTOR-1 HP - BEATER	034097-	1	212		
MOTOR-FAN 50 WATT W/GROUND	029770-12	1	103	115V 60HZ 1PH	
MOTOR-FAN 50 WATT W/GROUND	029770-27	1	103	208-230V 60HZ 1PH	
+FAN-5 BLADE 12" PUSH 22DEG CCW	049009	1	103		
+BRACKET-FAN	051036	1	103		
NUT-STUD	008614	2	103	HANDSCREWS	
PAIL-6 QT.	023348	1	000		
PAN-DRIP 13-1/4 LONG	039027	1	103		
PANEL A.-FRONT *104*	X51043	1	103		
PANEL-REAR *104*	051040	1	103		
PANEL-SIDE *104*L*	051039	1	103		
PANEL-SIDE *104*R*	051038	1	103		
PULLEY-AK30 X 5/8	033559	1	103	BEATER MOTOR	
PULLEY-AK74	051013	1	103	GEAR	
RELAY-3 POLE-25 AMP	067460-12	1	103	115V 60HZ 1PH	
RELAY-DPDT-20A-120/240/277V	026581-27	1	103	208-230V 60HZ 1PH - S/N K6035924 & UP	
RELAY-SPDT	032607-27	2	103	S/N K6035923 & PRIOR	
SANITIZER-STERA SHEEN -GREEN	055492	1	000		
SHAFT-BEATER	033498	1	103		
+SEAL-DRIVE SHAFT	032560	1	000		
SHELL A.-INSULATED *103*	X33380	1	512		
+STUD-FREEZER DOOR *103-232*	023057	2	103		
SHIELD-MIX-GEAR REDUCER 3-3/8"	013356	1	103		
SWITCH-PRESSURE 440 PSI-SOLDER	048230	1	103		
SWITCH-ROCKER AUTO/EJECT	049628	1	103		
+SEAL-PANEL-ROCKER SWITCH	048421	1	000		
SWITCH-ROLLER - 20A.-125-4	025444	1	103		
TIMER-INTERVAL 30 MIN 115	030324-12	1	103	115V 60HZ 1PH	
TIMER-INTERVAL 30MIN 230V	030324-27	1	103	208-230V 60HZ 1PH	
+KNOB-TIMER	030343	1	103		
VALVE-ACCESS 1/4FL X 3/8SDR-90	044455	1	103	MAIN LOW SIDE	
VALVE-ACCESS-1/4 MFLX1/4 S-90	047016	1	103	MAIN HIGH SIDE	
VALVE-EXP-AUTO-1/4S X 1/4FPT	047232	1	103		
+BOOT-EXPANSION VALVE	027137	1	000		
VARISTOR A.-280VAC	X34664	2	103	208-230V 60HZ 1PH	

+ Available Separately

DESCRIPTION	PART NUMBER	104 QTY.	WARR. CLASS	REMARKS	PARTS UPDATE
CANADA					
LABEL-ATTN SVC ENG-FRENCH	015068-FG	1	000		
LABEL-CAUTION-GROUND-FRENCH/	032164-FG	1	000		
LABEL-DOOR-MOVE PART-FRENCH	032749-FG	1	000		
CARD-CHECKOUT FREEZER FRENCH	033941-F	1	000		
LABEL-WARN-COVER-FRENCH	051433-F	1	000		
MAN-OPER-COND 104 ROMANCE	053064RM	1	000		
ROHS - FRANCE - GERMANY					
CARD-CHECKOUT FREEZER FRE	033941-F	1	000		
CARD-CHECKOUT FREEZER GER	033941-G	1	000		
DECAL-INST-CLN-BATCH-FRENCH	030582-F	1	000		
DECAL-INST-CLN-BATCH-GERMAN	030582-G	1	000		
DECAL-TROUBLESHOOT-FRENCH	038374-F	1	000		
DECAL-TROUBLESHOOT-GERMAN	038374-G	1	000		
LABEL-ATTN SVC ENG-FRENCH	015068-FG	1	000		
LABEL-CAUTION-GRD-FRENCH/	032164-FG	1	000		
LABEL-CAUTION-PERSNL-F/GERMAN	033161-FG	1	000		
LABEL-DOOR-MOVE PART-FRENCH	032749-FG	1	000		
LABEL-WARN-COVER-FRENCH	051433-F	4	000		
LABEL-WARN-COVER-GERMAN	051433-G	4	000		
LABEL-WARN-ELEC-SGL-SMALL	032717-G	1	000		
LABEL-WARN-ELEC-SGL-SMALL	032717-F	1	000		
MAN-OPER-COND 104 ROMANCE	053064RM	1	000		
NEW ZEALAND					
DECAL-NEW ZEALAND-WIRE CO	041467	1	000		
JAPAN					
BELT-V-4L410	007530	1	000		
DECAL-DEC-TAYLOR 104-50 H	051046-50	1	000		
DECAL-TROUBLESHOOT-JAPANESE	038374-J	1	000		
DIAGRAM-WIRING *104*	062461-14	1	000		
LABEL-ATTN SVC ENG-JAPANESE	015068-J	1	000		
LABEL-CAUTION-GRD-PERM-J/	032164-JK	1	000		
LABEL-DOOR-MOVE PART-J/K	032749-JK	1	000		

+ Available Separately

DESCRIPTION	PART NUMBER	104 QTY.	WARR. CLASS	REMARKS	PARTS UPDATE
LABEL-WARN-COVER-JAPANESE	051433-J	4	000		
LABEL-WARN-ELEC-SGL-SMALL	032717-J	1	000		
PULLEY-AK32 X .625-.6265	007471	1	103		
PULLEY-AW62-5/8	007538	1	103		
MARINE					
DIAGRAM-WIRING *104*MARINE	062461M27A	1	000		
PANEL A.-FRONT *104*	X51043-SPN	1			
PANEL-REAR *104*	051040-SPN	1			
PANEL-SIDE *104*LEFT	051039-SPN	1			
PANEL-SIDE *104*RIGHT	051038-SPN	1			
50 HZ					
BELT-V-4L410	007530	1	000		
BLOCK-TERMINAL-7 POLE GREEN	024156	1	103		
COMPRESSOR AKA9462ZXC-AK172JT	049302-40	1	512	220-240/50/1	
CAPACITOR-RUN- 15UF/370V	027087	1	103		
CAPACITOR-START- 72-88UF/330V	039567	1	103		
RELAY-START-COMPRESSOR	041064	1	103		
DECAL-DEC-TAYLOR 104-50 H2	051046-50	1	000		
PULLEY-AK32 X .625-.6265	007471	1	103	BEATER MOTOR	
PULLEY-AK64-5/8	007538	1	103	GEAR	
VARISTOR A.-280VAC	X34664	2	103		
MADE IN CHINA - 010440HANG 220-240V 50HZ 1PH					
ACTUATOR-INTERLOCK	034342	1	103	INTERLOCK SWITCH	
+BRACKET-INTERLOCK SWITCH	034341	1	103		
+E-RING 1/4	032190	1	000		
+SPRING-COMP.480X.034X2.00 SS	029889	1	103		
+SWITCH-ROLLER-SPDT-20A-125-480	025444	1	103		
BEARING-REAR SHELL *NICKEL PLATE	031324	1	000		
+GUIDE-DRIP SEAL	028992	1	000		
+NUT-BRASS BEARING	028991	1	000		
+WASHER-BEARING LOCK	012864	1	000		
BEATER A.	X33417	1	103		
+BLADE-SCRAPER 17L	033277	2	000		
BELT-V-4L420	004338	1	000		

+ Available Separately

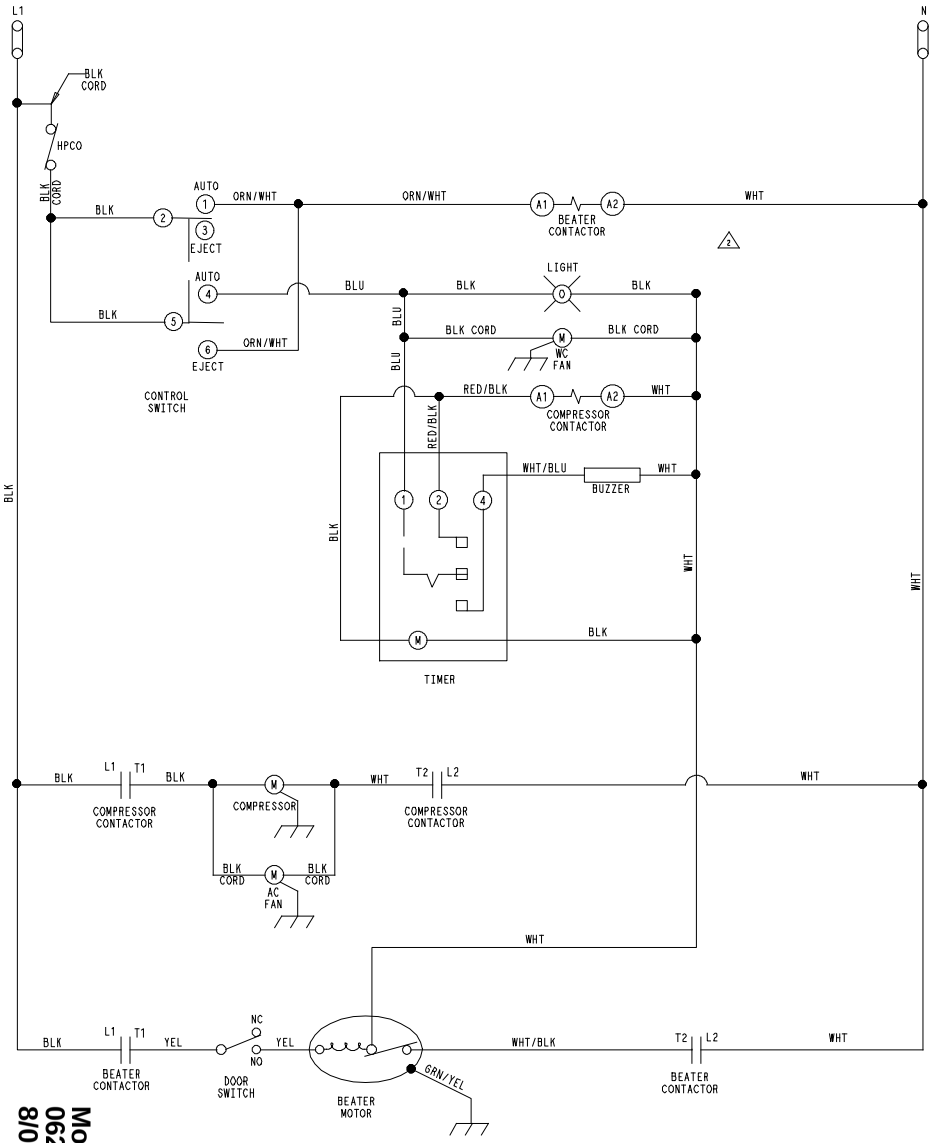
DESCRIPTION	PART NUMBER	104 QTY.	WARR. CLASS	REMARKS	PARTS UPDATE
BLADE-SCRAPER 7-1/4L	033277	2	000		
BLOCK-TERMINAL 2P-L1,N	039421	1	103		
BLOCK-TERMINAL 7P GREEN	024156	1	103		
BLOCK-TERMINAL 7 POLE	022606	1	103		
BRUSH-MIX PUMP BODY-3"X7"	C00032	1	000		
BRUSH-REAR BRG 1"D X 2"LG	C00100	1	000		
BRUSH-DRAW VALVE 1-1/2"OD	014753	1	000		
BUMPER-RUBBER 15/64"HOLE-WHITE	031667	1	000		
BUZZER 240V/5W	022758-27	1	103		
CARD-CHECKOUT WARRANTY-CHINESE	033941-CW5	1	000		
COMPRESSOR AKA9462ZXC-AK172JT	049302-40	1	512	220-240V 50HZ 1PH	
+CAPACITOR-RUN 15UF/370V	027087	1	103		
+CAPACITOR-START 72-88UF/330V	039567	1	103		
+STRAP-CAPACITOR 5-5/8 IN.	030258	1	000		
CONDENSER-AC-12LX16HX2.5T3ROW	048935	1	103		
COVER A.-MIX INLET	X24948	1	103		
+PIN-INLET COVER	027464	1	103		
+SUPPORT-INLET COVER	027449	2	103		
DOOR A.-PARTIAL	X37710	1	103		
+ARM-HANDLE	030042	1	103		
+CAP-STEM	027812	1	103		
+PIN-CLEVIS 3/16 X 1 SS	027813	1	103		
+O-RING-5 7/16 ODX5 1/4 IDX3/32	033276	1	000	DOOR GASKET	
+PIN A.-PIVOT*1 3/4 GRIP	X37705	1	103	DOOR HINGE	
+PLATE-DRAW	027811	1	103		
+O-RING-2-1/4 OD X .139W	030890	1	000		
+SCREW-STEM	034662	1	103		
+SPOUT A.-DRIP	X33422	1	103		
+STEM-FREEZER COVER	034661	1	103		
DECAL-INST-CLN-BATCH-CHINESE	030582-CH		000		
DECAL-DEC-TAYLOR 104-60 H2	051046-60	1	000		
DECAL-TROUBLESHOOT-CHINESE	038374-CH	1	000		
DIAGRAM-WIRING *104*	062461-40	1	000	220-240V 50HZ 1PH	
DRYER-FILTER-HP62-3/8 X 1/4S	048901	1	000		
FORM-QUALITY REPORT BY FAX	065712-SCH	1	000		

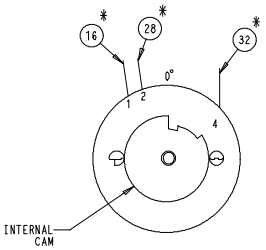
+ Available Separately

DESCRIPTION	PART NUMBER	104 QTY.	WARR. CLASS	REMARKS	PARTS UPDATE
FUNNEL	034252	1	103		
+BEZEL	033406	1	103		
GASKET-BASE PAN	049420	1	000		
GEAR A.*REDUCER	012235-SER	1	212	MAYBAR ONLY	
GUIDE A.-DRIP PAN *104*HP62*	X51048	1	103		
HINGE COVER ASSY ADAPTOR	037707	1	103		
HOOD A. *104*	X51044	1	103		
INSTRUCTION-INSTALL-CHINESE	056904CINS	1	000		
KIT A.-TUNE UP*103*	X33275	1	000		
CHART-O-RING SIZE-70# PAPER	032530	1	000		
O-RING-2-1/4 OD X .139W	030890	1	000		
O-RING-5 7/16 OD X 5 1/4 ID	033276	1	000		
SEAL-DRIVE SHAFT	032560	1	000		
TOOL-O-RING REMOVAL-FREEZER	048260-WHT	1	000		
LABEL-ATTN SVC ENG-CHINESE	015068-CH	1	000		
LABEL-COPPER COND ONLY-AS	025948-AS	1	000		
LABEL-WARN-ELEC-SGL-SMALL	032717-CH	1	000		
LABEL-DOOR-MOVE PART-CHINESE	032749-CH	1	000		
LABEL-WARN-COVER-CHINESE	051433-CH	4	000		
LIGHT-ORANGE-ROUND	017450	1	103		
LUBRICANT-TAYLOR 4 OZ.	047518	1	000		
MAN-OPER COND 104 CHINESE	053064CM	1	000		
MOTOR-1HP 50HZ 220-240V 1425RP	034097-34	1	212	220-240V 50HZ 1PH	
MOTOR-FAN 50 WATT W/GROUN	029770-27	1	103	220-240V 50HZ 1PH	
+FAN-5 BLADE 12" PUSH 22DEG CCW	049009	1	103		
+BRACKET-FAN	051036	1	103		
NUT-STUD	008614	2	103	HANDSCREWS	
O-RING-1-1/4 OD X .139W	008667	1	000		
PAIL-6 QT.	023348	1	000		
PAN-DRIP 13-1/4 LONG	039027	1	103		
PANEL A.-FRONT *104*	X51043	1	103		
PANEL-REAR *104*	051040	1	103		
PANEL-SIDE *104*L*	051039	1	103		
PANEL-SIDE *104*R*	051038	1	103		
PULLEY-AK30 X 5/8	033559	1	103	BEATER MOTOR	

+ Available Separately

DESCRIPTION	PART NUMBER	104 QTY.	WARR. CLASS	REMARKS	PARTS UPDATE
PULLEY-AK74	051013	1	103	GEAR	
RELAY-DPDT-20A-120/240/277V	026581-27	1	103		
SANITIZER-STERA SHEEN-GREEN	C00001	1	000		
SHAFT-BEATER	033498	1	103		
+SEAL-DRIVE SHAFT	032560	1	000		
SHELL A.-INSULATED	X33380-SER	1	512		
+STUD-FREEZER DOOR	023057	2	103		
SHIELD-MIX-GEAR REDUCER 3-3/8”	013356	1	103		
SWITCH-PRESSURE 440 PSI-SOLDER	048230	1	103		
SWITCH-ROCKER AUTO/EJECT	049628	1	103		
+SEAL-PANEL-ROCKER SWITCH	048421	1	000		
SWITCH-ROLLER - 20A.-125-4	025444	1	103		
TIMER-INTERVAL 30MIN 230V	030324-27	1	103		
+KNOB-TIMER	030343	1	103		
VALVE-ACCESS 1/4FL X 3/8SDR-90	044455	1	103	MAIN LOW SIDE	
VALVE-ACCESS-1/4 MFLX1/4 S-90	047016	1	103	MAIN HIGH SIDE	
VALVE-EXP-AUTO-1/4S X 1/4FPT	046365	1	103		
+BOOT-EXPANSION VALVE	027137	1	000		
VARISTOR A.-280VAC	X34664	2	103		





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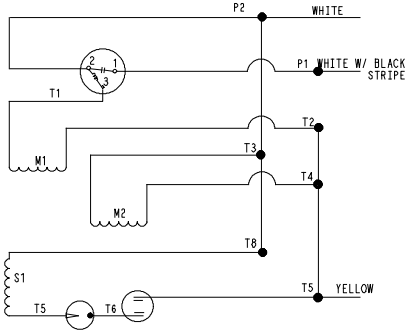
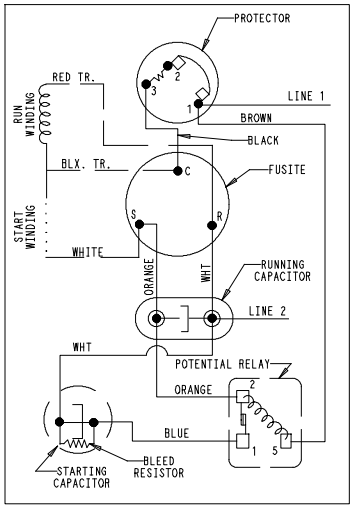
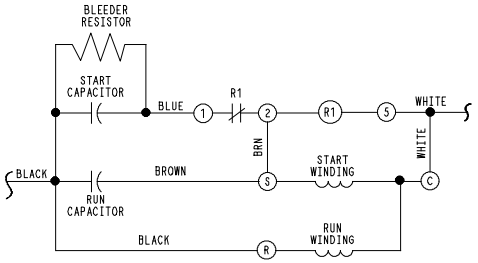


115V
LEESON BEATER MOTOR



COPELAWELD WIRING
GROUND FRAME SECURELY



TECUMSEH WIRING

Model 104
062461-12
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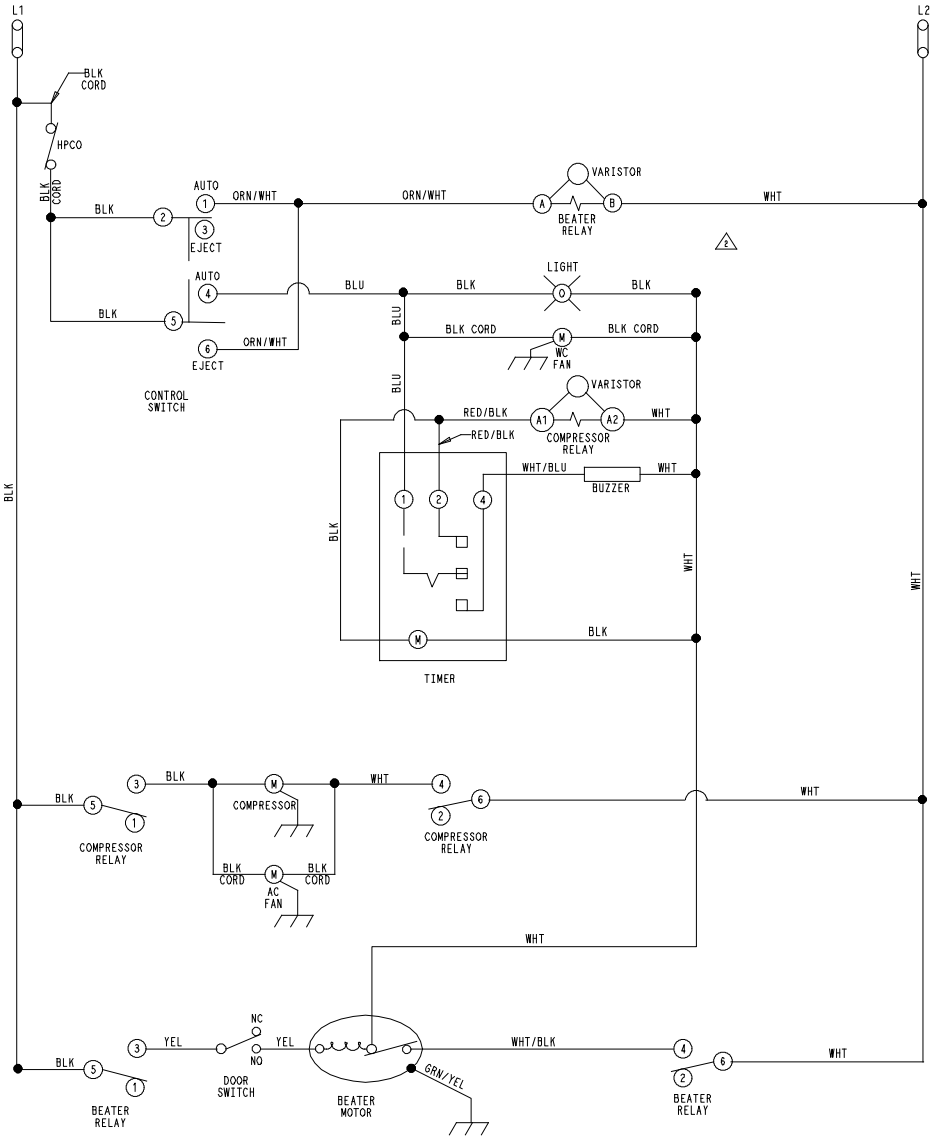

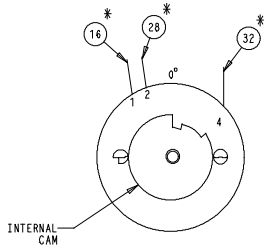

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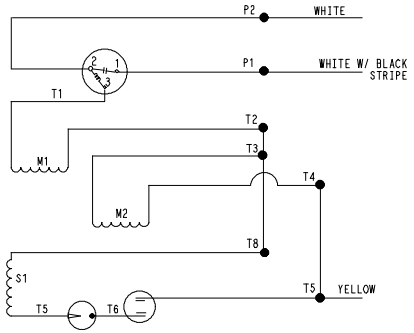
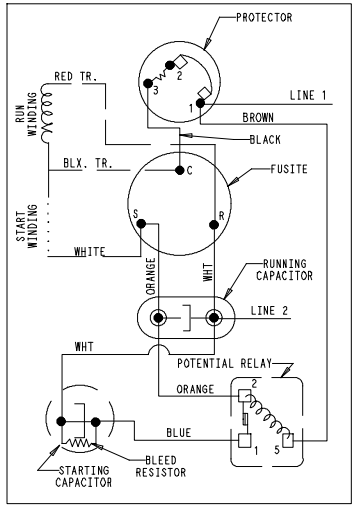


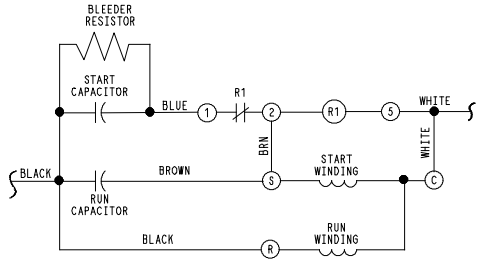
TIME CHART

230V
LEESON BEATER MOTOR



COPELAWELD WIRING

GROUND FRAME SECURELY



TECUMSEH WIRING

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062461-27
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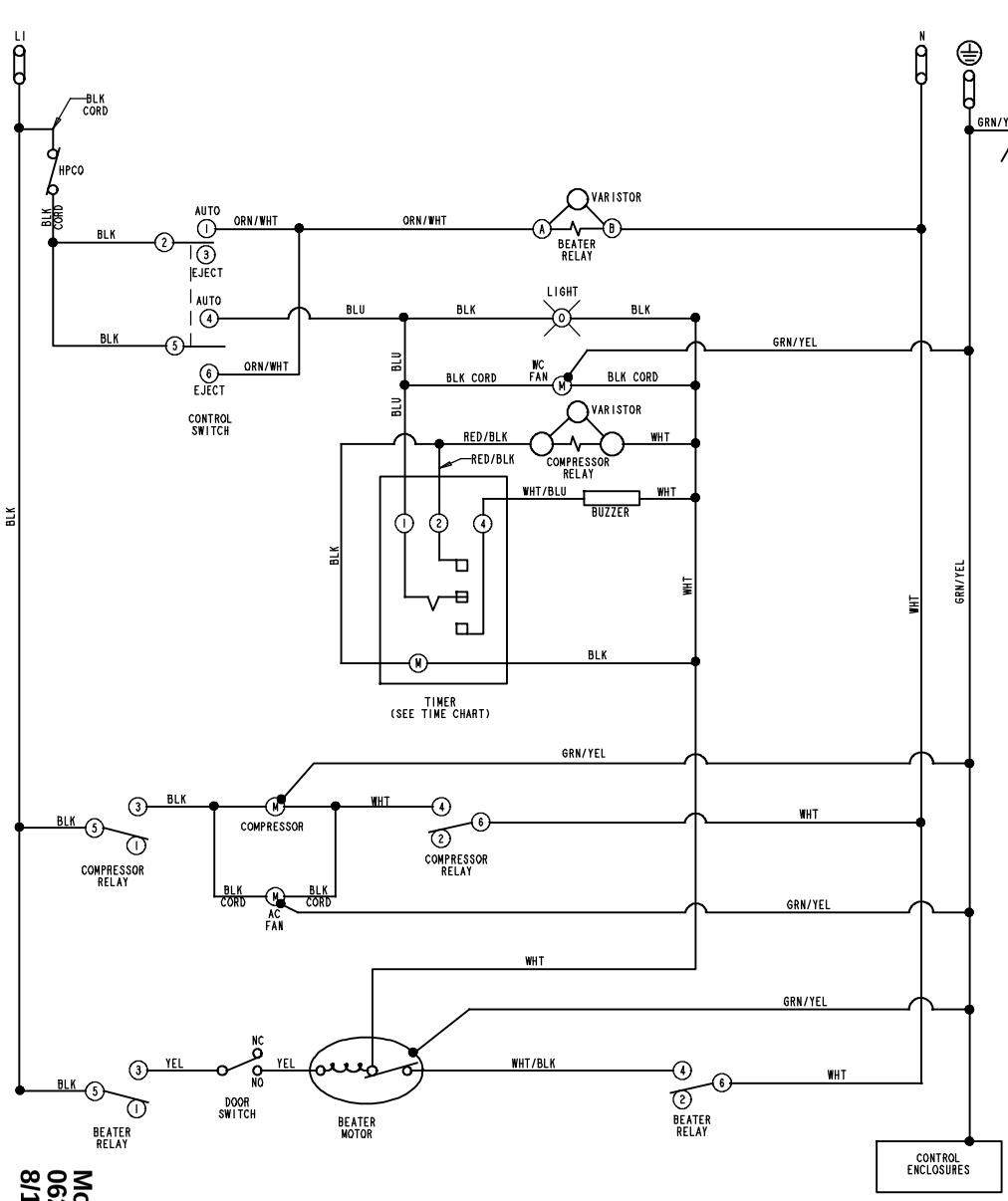

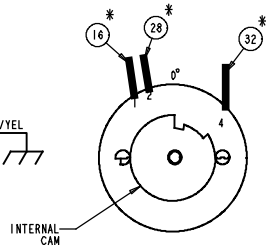

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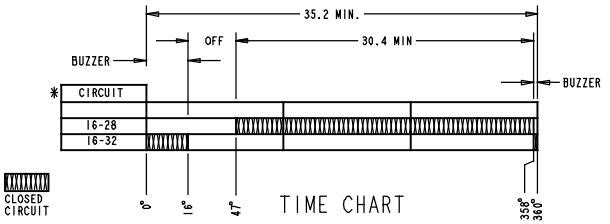

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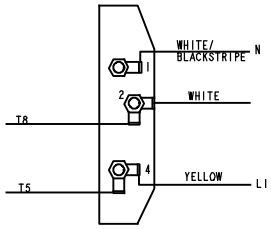
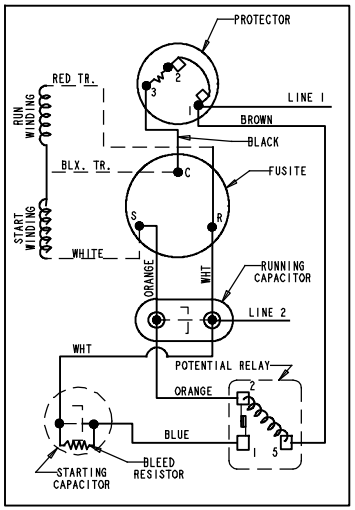
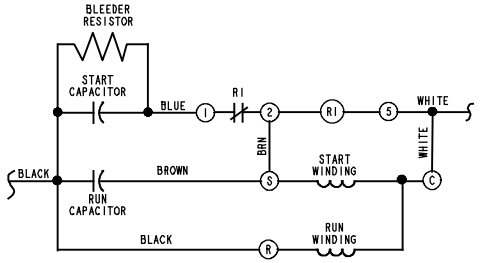


LEESON BEATER MOTOR



COPELAWELD WIRING

GROUND FRAME SECURELY



TECUMSEH WIRING

Model 104
062461-40
8/11